

3 12/12- 3600 #9

**HUMAN GENOME SCIENCES  
LEGAL DEPARTMENT**

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**FAX COVER SHEET**

Date: December 10, 2002

Total pages: 8

To: Group 1600 Customer Service Center  
U.S. Patent and Trademark Office

Fax 703-746-9195

From: Brenda Allen (301) 340-3459  
for Lin J. Hymel (Reg. No. 45,414)

Re: Application Serial No. 10/021,002 (Atty. Docket No. PF150D2)

**TRANSMITTING:**

1. Request for Corrected Filing Receipt (2 pages);
2. Copy of Filing Receipt with correction noted thereon (2 pages); and
3. Copy of page 1 of Specification and page 3 of Application Data Sheet filed with instant application, along with a copy of the PTO date-stamped postcard evidencing receipt of same (3 pages).

If you experience any difficulty receiving this transmission,  
please contact Brenda Allen at 301-340-3459

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VIA FACSIMILE TRANSMISSION TO  
GROUP 1600 CUSTOMER SERVICE  
(703/746-9195) DECEMBER 10, 2002

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
He et al.

Docket No.: PF150D2

Application No.: 10/021,002

Group Art Unit: 1642

Filed: December 19, 2001

Examiner: Not Yet Assigned

For: Human Prostatic Specific Reductase

**REQUEST FOR CORRECTED FILING RECEIPT**

Commissioner for Patents  
Washington, DC 20231

Dear Sir:

Applicants hereby request that a corrected Filing Receipt be issued and sent to the undersigned representative. Specifically, the following correction is requested:

1. Under the heading Domestic Priority as claimed by applicant, please change  
"WHICH IS A CIP OF PCT/US95/08127 06/29/1995\*" to read  
--WHICH IS A CIP OF PCT/US95/01827 01/20/1995--.

In support of the above request, Applicants submit herewith a copy of first page of the Specification and a copy of page 3 of the Application Data Sheet filed in the instant application, along with a copy of the PTO date-stamped postcard evidencing receipt of these items with the initial application papers. A copy of the Filing Receipt with the correction noted thereon is also attached.

Applicants additionally request that all pertinent U.S. Patent and Trademark Office records relating to the subject application be changed to reflect this correction.

Applicants believe no fee is due with this request because the error was generated by the Patent and Trademark Office. However, if a fee is due, please charge our Deposit Account No. 08-3425.

Dated: 10 December 2002

Respectfully submitted,

By Lin J. Hymel  
Lin J. Hymel

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## HUMAN PROSTATIC SPECIFIC REDUCTASE

### CROSS REFERENCE TO RELATED APPLICATIONS

[0001] This application is a divisional of U.S. Application No. 09/123,386, filed July 27, 1998, allowed, which is a divisional of U.S. Application No. 08/464,400 filed June 5, 1995, now U.S. Patent No. 5,786,204 which is a continuation-in-part of International Application No. PCT/US95/01827 filed January 20, 1995, which was published by the International Bureau as International Publication No. WO96/22360 on July 25, 1996 in English, each of which is hereby incorporated by reference in its entirety.

### INTRODUCTION

[0002] This invention relates to newly identified polynucleotides, polypeptides encoded by such polynucleotides, and the use of such polynucleotides and polypeptides as part of a diagnostic assay for detecting the presence of prostate cancer and prostate cancer metastases. The polynucleotides and polypeptides of the present invention are human prostatic specific reductase, and are sometimes hereinafter referred to as "PSR".

### BACKGROUND OF THE INVENTION

[0003] Carcinoma of the prostate has long been regarded as an unpredictable disorder which makes sound therapeutic decisions in evaluating the results of different types of treatment very difficult. Prostate cancer is unique among the potentially lethal human malignancies in that there is a wide discrepancy between the high prevalence of histologic changes recognizable as cancer and the much lower prevalence of clinical disease.

[0004] The concept that adenocarcinoma of the prostate exists in a latent and a clinical form is supported by epidemiologic, pathologic and clinical evidence. Although these divergent manifestations of prostate cancer have come in architectural and cytologic features, they can be distinguished from each other to some degree by differences in certain pathologic features, such as the volume, grade, and invasiveness of the lesion.

[0005] Prostate cancer has become the most common cancer among American men, and only lung cancer is responsible for more cancer deaths (Boring, C.C., Cancer Statistics, 41:19-36 (1991)). The age specific mortality rate has slowly increased over the past 50 years and in black American men is nearly double the rate found in white men

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Country of mailing address:: US  
Postal or Zip Code of mailing address:: 20882

**Correspondence Information**


Correspondence Customer Number:: 22195

**Representative Information**


Representative Customer Number:: 22195

**Domestic Priority Information**

|                  |                         |                      |                      |
|------------------|-------------------------|----------------------|----------------------|
| Application::    | Continuity Type::       | Parent Application:: | Parent Filing Date:: |
| This Application | Division of             | 09/123,386           | 07/27/98             |
| 09/123,386       | Division of             | 08/464,400           | 06/05/95             |
| 08/464,400       | Continuation-in-part of | PCT/US95/01827       | 01/20/95             |



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(MPEP § 503)

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| <b>OIPE:</b>  | Please Date Stamp In The Box Below And Return To Addressee |
|  |  |

Application of: He et al.

Attorney Docket No.: PF150D2

Application Serial No.: Unassigned

Art Unit: Unassigned

Filed: Herewith

Examiner: Unassigned

Title: Human Prostatic Specific Reductase

**The following documents were filed by Human Genome Sciences, Inc.  
via hand delivery on December 19, 2001:**

1. Return Receipt Card;
2. Serial Number Postcard;
3. Fee Transmittal with appropriate fee(s) (in duplicate);
4. Utility Application Transmittal;
5. Application Data Sheet (4 pgs.);
6. Specification: 31 pgs. Description; 4 pgs. [40] Claims; 1 pg. Abstract;
7. Sequence Listing in written (on paper) (4 pgs.) and computer readable forms;
8. Statement Under 37 C.F.R. 1.821(f);
9. Figures 1A-1B and 2A-2D (6 sheets);
10. Information Disclosure Statement with Form PTO/SB/08 and copy of reference AR;
11. Copy of executed Declaration from prior Application No. 08/464,400; and
12. Copy of Assignment papers from prior Application No. 08/464,400.

JKE/CCB/ba



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

| APPLICATION NUMBER | FILING DATE | GRP ART UNIT | FIL FEE RECD | ATTY DOCKET NO | DRAWINGS | TOT CLAIMS | IND CLAIMS |
|--------------------|-------------|--------------|--------------|----------------|----------|------------|------------|
| 10/021,002         | 12/19/2001  | 1642         | 1352         | PF150D2        | 6        | 40         | 6          |

22195  
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CONFIRMATION NO. 9797

## FILING RECEIPT



\*0000000007756196\*

APR 13 2002  
KKH CB

Date Mailed: 04/01/2002

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Wei-Wu He, Columbia, MD; ✓  
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Peter L. Hudson, Germantown, MD; ✓  
Craig A. Rosen, Laytonsville, MD; ✓

## Assignment For Published Patent Application

Human Genome Sciences, Inc., Rockville, MD; ✓

## Domestic Priority data as claimed by applicant

THIS APPLICATION IS A DIV OF 09/123,386 07/27/1998 PAT 6,344,198 ✓

WHICH IS A DIV OF 08/464,400 06/05/1995 PAT 5,786,204 ✓

WHICH IS A CIP OF PCT/US95/08427 06/29/1995 ✓ PCT/US95/01827 01/20/1995

(\*) Data inconsistent with PTO records

## Foreign Applications

Projected Publication Date: To Be Determined - pending completion of Security Review

Non-Publication Request: No

Early Publication Request: No

Title

Human prostatic specific reductase

Preliminary Class

424

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Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15**

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